

#### ABSTRACT OF THE DISCLOSURE

A method of initializing a computer system equipped with a debugging system. The computer system has a CPU, a local, peripheral and expansion bus, a first and second  
5 bridge, and a ROM coupled to the expansion bus and store a first BIOS code, and the debugging system is coupled to the peripheral bus. The method including the steps of operating the CPU in a normal mode wherein first data requests directed to the ROM are routed to the local bus by the CPU,  
10 operating the CPU in a debugging mode wherein second data requests directed to the debugging system are routed to the local bus by the CPU, transferring the first or second data requests from the local bus to the peripheral bus by the first bridge, responding by the second bridge or debugging  
15 system to the data requests with the first or second BIOS code to be loaded in the CPU according to the direction of the data request.